

Description: RX-BKT28T-99519 Series Direct-lit light bar features outstanding lumen output with low power consumption. With secondary optical lens on LED, the emitting angle can be widened so that the light bar presents excellent light uniformity. Direct-lit light bar is an energy-saving and high efficient solution for TV backlight, panel light and advertising light box.



CRI > 80

Efficiency 90Lm/W

CV Input, Easy to Expand

DC24V 0.65W/LED

Interconnect connection

Max: 8pcs / 8M

Low Temperature rise

<15°C Really long life

Special custom LED

One LED cut

Wide Angle Light Source

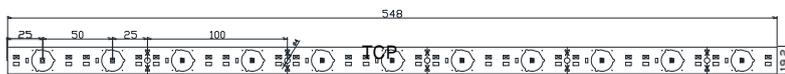
Light Optical Distance 30-40mm

Excellent light uniformity



Application specs	
Brightness	58Lm/LED
Default Colors	CW6000~6500K
Other colors	WW2800~3250K NW3800~4200K
Waterproof Rating	IP25
Operating Temperature	-30~50°C
Electrical specs	
Power	0.65W / LED
Input	DC24V
Warranty	3 years
Certification	CE RoHS FCC
Life-Span	>40000hours TCP Tc< 65 °C

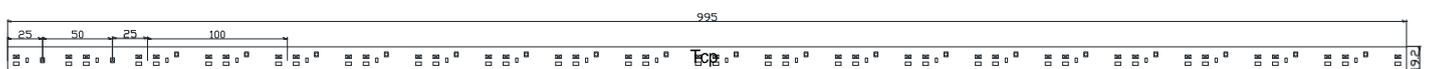
Dimension:



RX-BKT28T-99519-55



RX-BKT28T-99519-H029 AL housing



RX-BKT28T-99519-100

Unit: mm

Technical Data:

Part Number	Dimensions Net weight	LED QTY	Luminous flux	Power Input DC24V	Efficacy	Light Angle	TCP Test	Comment
RX-BKT28T-99519-55	548x19x7.5mm 65g	11pcs	640Lm	7.1W	90Lm/W	155°~165°	40 °C	One LED cut DC24V
RX-BKT28t-99519-100	995x19x7.5mm 110g	20pcs	1160Lm	13W	89Lm/W	155°~165°	40 °C	
RX-BKT28T-99519-55 -H029	550x22.2x15.5mm 145g	11pcs	640Lm	7.1W	90Lm/W	155°~165°	38 °C	With AL HOUS Optional waterproof IP67
RX-BKT28T-99519-100 -H029	1000x22.2x15.5mm 250g	20pcs	1160Lm	13W	89Lm/W	155°~165°	38 °C	

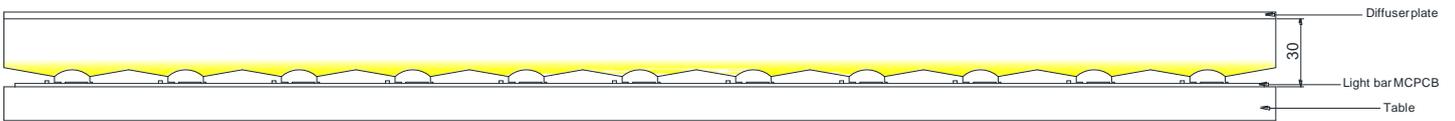
Note: Beam Angle 160 °, Tolerance range for optical data: $\pm 10\%$. Tolerance range for electrical data $\pm 5\%$

The above table data testing at room temperature is 25 °C, Cooling by free air convection. TCP test Temperature Max 40 °C,

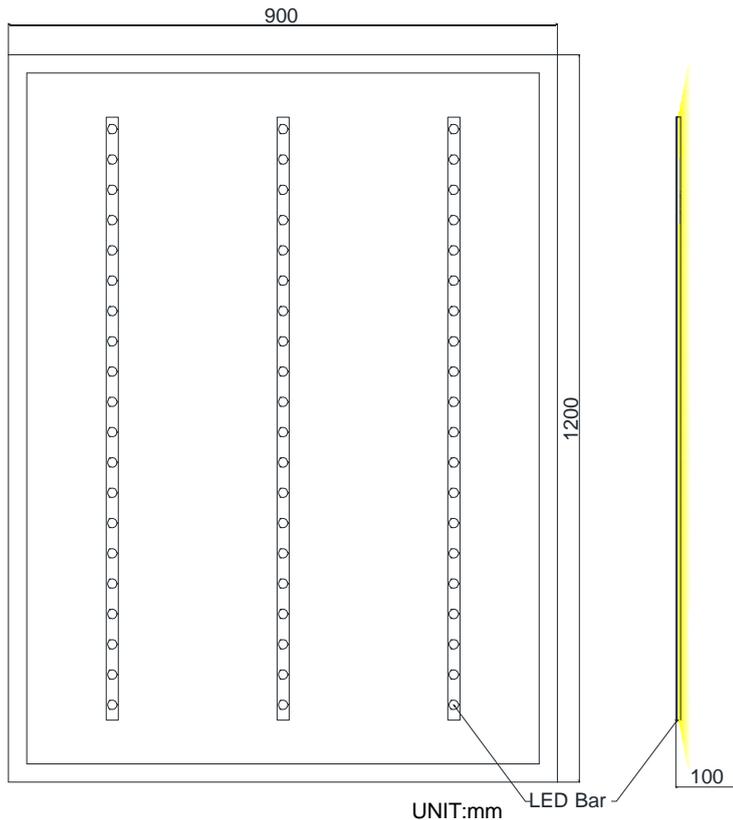
Test Input: DC24V, LED color temperature 6000-6500K, CRI >80.

*Calculations are based on 85% max load on CV power supplies

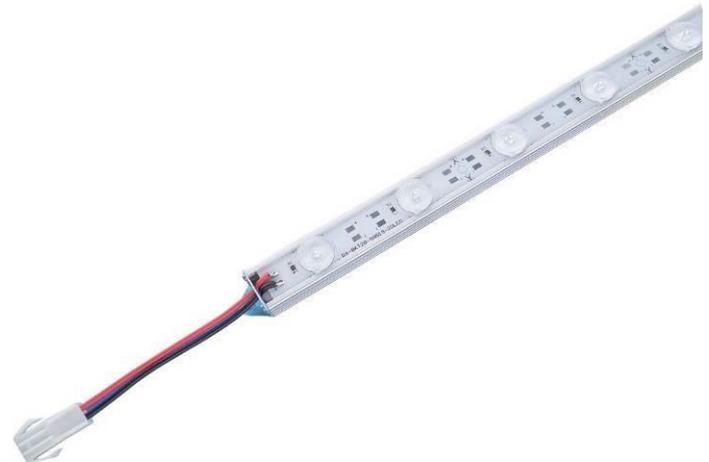
Light Optical Distance 30-40mm - Excellent light uniformity


Note:

Wide angle lens, just need a little bit of LED bar, homogeneous projection backlighting. 120x90x10cm 3pcs LED bar.

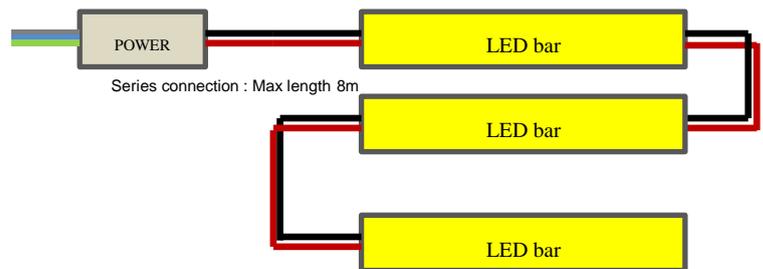
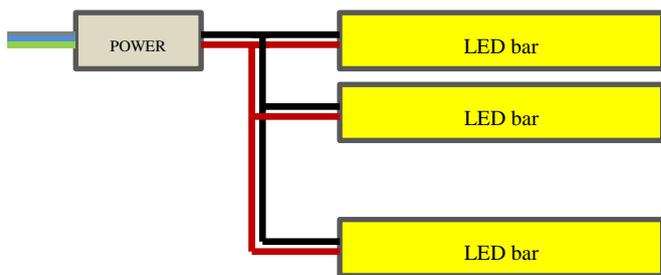
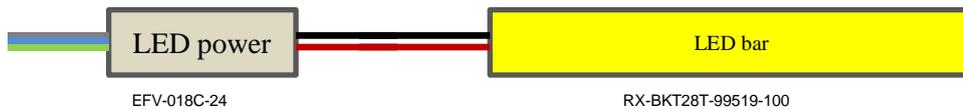


Accessories:



With AL housing RX-BKT28T99519-H029

Wiring diagram



Series connection Max: 5A

CAUTION: This product is installed by a professional engineering staff.

Precautions In Handling

1, LED Lighting for white light are devices which are materialized by combining white LEDs. The color of white light can differ a little unusually to diffuser plate (sign-board panel).

2, Handling

Don't drop the unit and don't give the unit any shocks.

Don't storage the Module in a dusty place or room.

Don't take the unit to pieces.

3, Cleaning

This LED Module should not be used in any type of fluid such as oil, organic solvent, etc.

It is recommended that IPA (Isopropyl Alcohol) be used as a solvent for cleaning the LED Module.

When using other solvents, it should be confirmed beforehand whether the solvents will dissolve the package and the resin or not. Freon solvents should not be used to clean

the LEDs because of worldwide regulations. Do not clean the LED Module by the ultrasonic.

Before cleaning, a pre-test should be done to confirm whether any damage to the LED Lighting will occur.

4, Static Electricity

Static electricity or surge voltage damages the LED Lighting.

5, Discoloration

VOCs (volatile organic compounds) may be occurred by adhesives, flux, hardener or organic additives which is used in luminaires (fixture) and LED silicone bags are permeable to it. It may lead a discoloration when LED expose to heat or light.

This phenomenon can give a significant loss of light emitted(output) from the luminaires(fixture). In order to prevent these problems, we recommend you to know the physical properties for the materials used in luminaires, it requires to select carefully.

6, Risk of Sulfurization (or Tarnishing)

The lead frame is a plated package and it may change to black. (or dark colored) when it is exposed to Ag (a), Sulfur (S), Cchlorine (Cl) or other halogen compound.It requires attention.

Sulfide (Sulfurization) of the lead frame may cause a change of degradation intensity, chromaticity coordinates and it may cause open circuit in extreme cases. It requires attention.

Sulfide (Sulfurization) of the lead frame may cause of storage and using with oxidizing substances together. Therefore, LED is not recommend to use and store with the below list.: Rubber, Plain paper, lead solder cream etc.

7, Others

If over voltage which exceeds the absolute maximum rating is applied to LED Lighting,

it will cause damage Circuits(that LED is included) and result in destruction.

Do not directly look into lighted LED with naked eyes for long time.